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interval based adjustments data values raw da

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Web Results 1 - 10 of about 87,100 for interval based adjustments data values raw data. (0.33 seconds)

## [DOC] BRIEF SUMMARY

File Format: Microsoft Word 2000 - View as HTML

... raw data for a particular country (any such adjustments are described in ... age-time interval are based on annual (January 1st) population estimates, ...

www.demog.berkeley.edu/~danaglei/ MP-Summary-v2-12Jan2004.doc - Similar pages

## The Berkeley Mortality Database: Overview

... In all cases, adjustments to raw data (ie, birth, death, ... the risk of death (during some interval of age and time) are computed based on the January ... www.demog.berkeley.edu/~bmd/overview.html - 11k - Cached - Similar pages

### Monitor Historical Server User's Guide

... Valid values are: raw - plays back data as it was collected, ... Also,
Historical Server makes appropriate adjustments to the data values to accurately ...
manuals.sybase.com/onlinebooks/group-as/ asg1250e/histserv/@Generic\_\_BookTextView/4791 - 22k Cached - Similar pages

## [PDF] Listening to the Mind Listening - A Sonification/Composition Hans ...

File Format: PDF/Adobe Acrobat - View as HTML

... every 20 milliseconds and just happens to be the default ArtWonk main loop tick interval. Not. only the raw data values are used, but also the deltas. ...

www.icad.org/websiteV2.0/Conferences/ ICAD2004/concert/HansVanRaaij.pdf - Similar pages

#### Opening Version 2 EV files in Echoview 3

... All results generated with Echoview 2.25 based on Ex60 raw data (with a non

... make adjustments to results, or reprocess data in Echoview if necessary. ...

www.sonardata.com/WebHelp/\_Introduction/ Opening\_Version\_2\_EV\_files\_in\_Echoview\_3.htm - 20k - Cached - Similar pages

## NCDC: United States Historical Climatology Network (USHCN)

... Currently all data adjustments in the USHCN are based on the use of metadata

... Raw: the data in this version have been through all quality control but ...

lwf.ncdc.noaa.gov/oa/climate/research/ushcn/ushcn.html - 23k - May 15, 2005 - Cached - Similar pages

#### Systat Software Inc. - AutoSignal - HTML Help

... dx is the sampling **interval**, and var is the variance of the **data** series. **...**The **Data value** computes the TISA power for the **raw data** while the Pwr **value** ...

www.systat.com/products/AutoSignal/help/?sec=1205 - 48k - Cached - Similar pages

#### Output **Data** Sets

... If a resampling-based adjusted p-value is requested, then the simulation ... used to calculate the p-values are also written to the OUT= data set. ... www.id.unizh.ch/software/unix/ statmath/sas/sasdoc/stat/chap43/sect17.htm - 23k - <u>Cached</u> - <u>Similar pages</u>

### **IOEB Data Processing**

... a file with all the **raw data** throughout the previous 24-hour period. ... into one IOEB datafile, while checking for NULL **data values** and other errors. ... ioeb.whoi.edu/ioebsrc.htm - 35k - <u>Cached</u> - <u>Similar pages</u>

## Drug Information Journal: Generalized Lab Norms for Standardizing ...

... the resulting summaries of the raw data from the standardized data may not

... usefulness of parameter values based on a single laboratory values as an ...

www.findarticles.com/p/articles/ mi\_qa3899/is\_200301/ai\_n9216643 - 29k - Cached - Similar pages

Goooooooogie >

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database structure interval based adjustments

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Web Results 1 - 10 of about 30,700 for database structure interval based adjustments data values raw data

## Wind Profile Data: Radiosonde (FIFE)

... measurements in this **data** set is 10 meters higher than the companion **values** in the ... that can be used to set up a relational **database** table **structure**. ... daac.ornl.gov/FIFE/guides/radiosnd\_wind\_prof.html - 37k - <u>Cached</u> - <u>Similar pages</u>

### <u>Aircraft Flux - Raw: Univ. Col. (FIFE)</u>

- ... The spatial resolution of the data is related to the sampling interval and the
- ... that can be used to set up a relational database table structure. ...

daac.ornl.gov/FIFE/guides/air\_flux\_raw\_col.html - 101k - May 15, 2005 - Cached - Similar pages

## Oracle9i Database Release 1 (9.0.1) New Features

... and the ability to perform queries based on actual data values. ... extends
Virtual Private Database functionality by offering label-based data access. ...
www.stanford.edu/dept/itss/docs/ oracle/9i/server.920/a96531/ch3\_9ir1.htm - 233k - May 15, 2005 Cached - Similar pages

### [PDF] <u>APPENDIX C **DATA** MANAGEMENT</u>

File Format: PDF/Adobe Acrobat - View as HTML

- ... be responsible for establishing and maintaining computer-based data archives and
- ... raw data sub-directory, and a separate sub-directory on the CRPAQS ...

www.arb.ca.gov/airways/ccos/docs/cc1drS\_C\_Jun11.pdf - Similar pages

### [PDF] APPENDIX C DATA MANAGEMENT

File Format: PDF/Adobe Acrobat - View as HTML

... for establishing and maintaining computer-based data archives and ... raw data sub-directory, and a separate sub-directory on the CCOS internet server. ... www.arb.ca.gov/airways/ccos/docs\_v3/ccos1v3s\_C.pdf - <u>Similar pages</u>

## NMR and Chemometrics

- ... the optimal number of scores is by expert inspection of the data structure.
- ... It is felt, however, that model adjustments for NMR based models will be ...

www.process-nmr.com/chemo.htm - 53k - Cached - Similar pages

### греп Action Item #1 Maintenance Data Collection / Distribution Infra ...

File Format: Microsoft Powerpoint 97 - View as HTML

... Harmonic Index of the 5th Meshing Harmonic (Input1 Raw Data) ... Current Diagnostics. Session Database. Case Based. Diagnostics Reasoner ...

www.simtech.a-star.edu.sg/ events/Reconf14Jan2005GeorgeV.ppt - Similar pages

#### Topic 1: Continuous **Data** Logging

... However, both data structures are too limited for data analysis as they are based on ... function whose adjustments change as the yield values change. ... www.innovativegis.com/basis/pfprimer/Topic1/topic\_1.htm - 54k - <u>Cached</u> - <u>Similar pages</u>

### **Products**

- ... developed core structure has been designed for maximum database performance.
- ... Thus, alongside the actual result column, are columns for raw data, ...

www.yvh.au.com/Products.html - 34k - Cached - Similar pages

NOAA/NMFS/NWFSC TM-31: Data Collection - Groundfish: Chapter 2 ... scheme for age structures (a fixed number of fish per cm interval) and ... data to PSMFC area according to adjustments based on trawl logbook data as ... www.nwfsc.noaa.gov/publications/ techmernos/tm31/31-2.html - 56k - May 15, 2005 - Cached - Similar pages

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# **WEST Search History**

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	L15	L14 and (interval\$1 same adjustment\$1)	2				
. 🗀	L14	L13 and (map\$ near5 data)	1470				
	L13	(second near5 database) and (first near5 database)	10697				
	L12	L10 and (first near5 database)	0				
	L11	L10 and (financial near5 data)	0				
	L10	11 and (databases)	26				
	L9	L8 and (raw near5 data)	5				
	L8	L7 and respons\$	16				
	L7	L6 and map\$	17				
	L6	L5 and stor\$	29				
	L5	L4 and (adjust\$ near5 data)	35				
	L4	(time series) same (data near5 value\$1)	1744				
	L3	L2 and (data near5 interval\$1)	2				
	L2	11 and (raw near5 data)	11				
	L1	(data\$ and adjust\$).ti.	15598				

**END OF SEARCH HISTORY** 

## **Hit List**

Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

Search Results - Record(s) 1 through 11 of 11 returned.

1. Document ID: US 20040056895 A1

L2: Entry 1 of 11 File: PGPB Mar 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040056895

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040056895 A1

TITLE: Method and apparatus for facilitating entry of manually-adjustable data

setting in an aircraft cockpit

PUBLICATION-DATE: March 25, 2004

INVENTOR-INFORMATION:

NAME . CITY STATE COUNTRY RULE-47

Hedrick, Geoffrey S.M. Malvern PA US

US-CL-CURRENT: 715/764

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KwiC Draw De

2. Document ID: US 6459922 B1

L2: Entry 2 of 11 File: USPT Oct 1, 2002

US-PAT-NO: 6459922

DOCUMENT-IDENTIFIER: US 6459922 B1

TITLE: Post data-acquisition method for generating water/fat separated MR images

having <u>adjustable</u> relaxation contrast

DATE-ISSUED: October 1, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Zhang; Weiguo Foster City CA

US-CL-CURRENT:  $\underline{600}/\underline{410}$ ;  $\underline{324}/\underline{307}$ ,  $\underline{324}/\underline{309}$ ,  $\underline{324}/\underline{312}$ ,  $\underline{600}/\underline{419}$ 

Full Title Citation Front Review Classification Date Reference Citation Claims KMIC Draw De

3. Document ID: US 6056691 A

L2: Entry 3 of 11

File: USPT

May 2, 2000

US-PAT-NO: 6056691

DOCUMENT-IDENTIFIER: US 6056691 A

\*\* See image for Certificate of Correction \*\*

TITLE: System for collecting ultrasound imaging data at an adjustable collection

image frame rate

DATE-ISSUED: May 2, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Urbano; Joseph A. Mt. Holly NJ Knell; Christopher B. North Wales PA Randall; Kevin S. Ambler PA

Wood; Andrew J. Mt. Holly NJ

US-CL-CURRENT: 600/443; 600/447

4. Document ID: US 5867332 A

L2: Entry 4 of 11

File: USPT

Feb 2, 1999

US-PAT-NO: 5867332

DOCUMENT-IDENTIFIER: US 5867332 A

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Window margining apparatus with delayed read <u>data</u> single shot (DRDSS) circuit for <u>adjustably</u> delaying a <u>data</u> pulse reproduced from a <u>data</u> storage device

DATE-ISSUED: February 2, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Mattison; Rodney A. Louisville CO

US-CL-CURRENT: 360/51; 360/46

Full Title Citation Front Review Classification Date Reference Claims KiwiC Draws Do

5. Document ID: US 5402274 A

L2: Entry 5 of 11 File: USPT Mar 28, 1995

US-PAT-NO: 5402274

DOCUMENT-IDENTIFIER: US 5402274 A

Record List Display Page 3 of 6

TITLE: Data separator and signal processing circuit with an adjustable window

DATE-ISSUED: March 28, 1995

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Miyazawa; Shyoichi Yokohama JΡ Horita; Ryutaro Yokohama JΡ Hase; Kenichi Fujisawa JP Kawamura; Satoshi Yokohama JP Kojima; Shinichi Takasaki JΡ Iseki; Toshiyuki Yokohama JΡ

US-CL-CURRENT: 360/51; 360/53

Full Title Citation Front Review Classification	Date	Reference		Claims	KAMC	Drawn De
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6. Document ID: US 5341387 A

L2: Entry 6 of 11

File: USPT

Aug 23, 1994

US-PAT-NO: 5341387

DOCUMENT-IDENTIFIER: US 5341387 A

TITLE: Viterbi detector having adjustable detection thresholds for PRML class IV

sampling data detection

DATE-ISSUED: August 23, 1994

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Nguyen; Hung C. San Jose CA

US-CL-CURRENT: 714/788; 375/341, 375/348, 708/3, 708/300, 714/787, 714/789, 714/795

Full Titl	Citation Front Review Classification Date Reference Claims KWC Draw De
***************************************	

7. Document ID: US 5168511 A

L2: Entry 7 of 11 File: USPT Dec 1, 1992

US-PAT-NO: 5168511

DOCUMENT-IDENTIFIER: US 5168511 A

TITLE: Manchester data recorder with synchronously adjustable clock

DATE-ISSUED: December 1, 1992

INVENTOR-INFORMATION:

Record List Display

NAME

CITY

STATE

ZIP CODE

COUNTRY

Boles; Glenn

Fords

NJ

US-CL-CURRENT: 375/328; 329/309, 375/333, 375/359

Full Title Citation Front Review Classification Date Reference Citation Claims KMC Draw De

8. Document ID: DE 10137211 A1

L2: Entry 8 of 11

File: EPAB

Mar 7, 2002

PUB-NO: DE010137211A1

DOCUMENT-IDENTIFIER: DE 10137211 A1

TITLE: Edges improving processor for  $\underline{adjustable}$  grey level output changes image  $\underline{data}$  at specific pixel locations to include grey level image  $\underline{data}$  for reducing

serrated edging in an image.

PUBN-DATE: March 7, 2002

INVENTOR-INFORMATION:

NAME

COUNTRY

SEUNG, NG YEE TAI, HWAI-TZUU US US

INT-CL (IPC): <u>G06 T</u> <u>5/00</u> EUR-CL (EPC): <u>G06T005/00</u>; <u>G06T005/20</u>

Full Title Citation Front Review Classification Date Reference

9. Document ID: WO 2004090813 A2

L2: Entry 9 of 11

File: DWPI

Oct 21, 2004

DERWENT-ACC-NO: 2004-766551

DERWENT-WEEK: 200475

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TITLE: Image conversion unit for high definition TV, generates intermediate image

data with interpolation-derived pixels, using adaptive filter responding to

externally <a href="mailto:adjustable">adjustable</a> coefficient inputs

INVENTOR: DE HAAN, G

PRIORITY-DATA: 2003EP-0100978 (April 10, 2003)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

WO 2004090813 A2

October 21, 2004

E

024

G06T003/40

INT-CL (IPC):  $\underline{606} \ \underline{T} \ \underline{3/40}$ 

Full Title Citation Front Review Classification Date Reference Citation Claims KMC Draw De

10. Document ID: DE 10137211 A1, JP 2002112026 A

L2: Entry 10 of 11 File: DWPI Mar 7, 2002

DERWENT-ACC-NO: 2002-293656

DERWENT-WEEK: 200241

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Edges improving processor for <u>adjustable</u> grey level output changes image <u>data</u> at specific pixel locations to include grey level image <u>data</u> for reducing serrated edging in an image.

INVENTOR: SEUNG NG, Y; TAI, H

PRIORITY-DATA: 2000US-0628397 (August 1, 2000)

PATENT-FAMILY:

 PUB-NO
 PUB-DATE
 LANGUAGE
 PAGES
 MAIN-IPC

 DE 10137211 A1
 March 7, 2002
 042
 G06T005/00

 JP 2002112026 A
 April 12, 2002
 022
 H04N001/40

INT-CL (IPC):  $B41 ext{ J } 2/52$ ;  $G06 ext{ T } 5/00$ ;  $G06 ext{ T } 5/20$ ;  $H04 ext{ N } 1/40$ ;  $H04 ext{ N } 1/409$ ;  $H04 ext{$ 

<u>1/46</u>

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | Claims | KMC | Draw Du

11. Document ID: US 5680314 A

L2: Entry 11 of 11 File: DWPI Oct 21, 1997

DERWENT-ACC-NO: 1997-525921

DERWENT-WEEK: 199748

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Computer aided sizing system for made to measure garments - has measuring unit adjustable to the size and build of the customer, the found raw data inputted

into a processor which supplies output file to an automated cutting table

INVENTOR: PATTERSON, C L; PATTERSON, D R

PRIORITY-DATA: 1995US-0519236 (August 25, 1995)

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE PAGES MAIN-IPC
US 5680314 A October 21, 1997 011 G06F019/00

INT-CL (IPC): G06 F 19/00

Term	Documents
RAW	547695
RAWS	707
DATA	3317733
DATUM	34063
(1 AND (RAW NEAR5 DATA)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	11
(L1 AND (RAW NEAR5 DATA)) PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	11

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## Search Results - Record(s) 1 through 2 of 2 returned.

1. Document ID: US 20050031044 A1

L15: Entry 1 of 2

File: PGPB

Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050031044

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050031044 A1

TITLE: Mode selection for data transmission in wireless communication channels

based on statistical parameters

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

NAME CITY COUNTRY RULE-47 STATE Gesbert, David J. US Mountain View CA Catreux, Severine E. San Jose CA US Heath, Robert W. JR. Mountain View CA US Sebastian, Peroor K. Mountain View CA US Paulraj, Arogyaswami J. Stanford CA US

US-CL-CURRENT: 375/259

Full	Title	Citation	Front		Classification				KOOC	Draws De
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 	,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		 	***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	 	

2. Document ID: US 6760882 B1

L15: Entry 2 of 2

File: USPT

Jul 6, 2004

US-PAT-NO: 6760882

DOCUMENT-IDENTIFIER: US 6760882 B1

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Mode selection for data transmission in wireless communication channels

based on statistical parameters

DATE-ISSUED: July 6, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Gesbert; David J. Mountain View CA Catreux; Severine E. San Jose CA



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intervals adjustment data

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1 Special issue on Mobile Data Management: Reading temporally consistent data in broadcast disks



Victor C. S. Lee, Joseph K. Ng, Jo Y. P. Chong, Kwok-wa Lam

July 2004 ACM SIGMOBILE Mobile Computing and Communications Review, Volume 8 Issue 3

Full text available: pdf(234.42 KB) Additional Information: full citation, abstract, references

In this paper, we study the performance and impact of maintaining temporal consistency on a recently proposed concurrency control protocol for processing transactions in broadcast environments. This protocol offers autonomy between mobile clients and the server such that mobile clients can read consistent data off the air without contacting the server. However, most of the existing mobile computing applications, such as information dispersal systems for stock prices and weather information, a ...

2 Software reliability modeling: accounting for program size variation due to integration or design changes



J. D. Musa, A. Iannino

July 1981 ACM SIGMETRICS Performance Evaluation Review, Volume 10 Issue 2

Full text available: pdf(908.94 KB) Additional Information: full citation, abstract, references

Estimation of software reliability quantities has traditionally been based on stable programs; i.e., programs that are completely integrated and are not undergoing design changes. Also, it is ordinarily assumed that all code is being executed at one time or another and that test or operational results are being completely inspected for failures. This paper describes a method for relaxing the foregoing conditions by adjusting the lengths of the intervals between failures experienced as compensati ...

3 Generating automatically tuned bitmaps from outlines John D. Hobby January 1993 Journal of the ACM (JACM), Volume 40 Issue 1



Full text available: pdf(3.11 MB)

Additional Information: full citation, abstract, references, index terms

Consider the problem of generating bitmaps from character shapes given as outlines. The obvious scan-conversion process does not produce acceptable results unless important features such as stem widths are carefully controlled during the scan-conversion process. This paper describes a method for automatically extracting the necessary feature information and generating high-quality bitmaps without resorting to hand editing. Almost all of the work is done in a preprocessing step, the result o ...

Keywords: Lova'sz basis reduction, feature recognition, fonts, scan-conversion

Cache invalidation scheme for mobile computing systems with real-time data Joe Chun-Hung Yuen, Edward Chan, Kam-Yiu Lam, H. W. Leung December 2000 ACM SIGMOD Record, Volume 29 Issue 4



Full text available: pdf(552.05 KB) Additional Information: full citation, abstract, citings, index terms

In this paper, we propose a cache invalidation scheme called Invalidation by Absolute Validity Interval (IAVI) for mobile computing systems. In IAVI, we define an absolute validity interval (AVI), for each data item based on its dynamic property such as the update interval. A mobile client can verify the validity of a cached item by comparing the last update time and its AVI. A cached item is invalidated if the current time is greater than the last update time plus its AVI. With this self-invali ...

5 An object-oriented framework for interactive data graphics Robert L. Young



December 1987 ACM SIGPLAN Notices, Conference proceedings on Object-oriented programming systems, languages and applications, Volume 22 Issue 12

Full text available: ndf(1.44 MB)

Additional Information: full citation, abstract, references, citings, index

Ida is an object-oriented framework for interactive data graphics. It can be used for independent data examination or integrated into application user interfaces. Ida's model of graphics is composed of five basic elements: Presentations, Assemblies, Data Sources, Data Displays, and Scales. Presentations and assemblies address display layout. A sharp distinction is maintained between drawing and the management of already drawn images. Data sources are respon ...

<sup>6</sup> The evolution of workload management in data processing industry: a survey



November 1999 Proceedings of 1986 ACM Fall joint computer conference

Additional Information: full citation, references, index terms Full text available: pdf(1.04 MB)

Information flow: IP covert timing channels: design and detection Serdar Cabuk, Carla E. Brodley, Clay Shields October 2004 Proceedings of the 11th ACM conference on Computer and communications security



Full text available: pdf(571.58 KB) Additional Information: full citation, abstract, references, index terms

A network covert channel is a mechanism that can be used to leak information across a network in violation of a security policy and in a manner that can be difficult to detect. In this paper, we describe our implementation of a covert network timing channel, discuss the subtle issues that arose in its design, and present performance data for the channel. We then use our implementation as the basis for our experiments in its detection. We show that the regularity of a timing channel can be use ...

Keywords: TCP/IP, covert timing channels, detection, network covert channels

8 Curve Fitting with Conic Splines Theodosios Pavlidis January 1983 ACM Transactions on Graphics (TOG), Volume 2 Issue 1



Full text available: pdf(1.73 MB)

Additional Information: full citation, references, citings, index terms

Support of VBR video streams under disk bandwidth limitations Maria Papadopouli, Leana Golubchik

December 1997 ACM SIGMETRICS Performance Evaluation Review, Volume 25 Issue 3

Full text available: pdf(954.34 KB) Additional Information: full citation, abstract, index terms

We present scheduling techniques for a scalable video server in a multi-disk environment. The scheduling of the retrieval is introduced in a dynamic rate-distortion context that exploits both the multiresolution property of video and replication techniques.

10 Real-time hierarchically distributed processing network interaction simulation Wayne F. Zimmerman, Chung-I Wu January 1988 Proceedings of the 21st annual symposium on Simulation

Full text available: pdf(1.26 MB) Additional Information: full citation, abstract, references, index terms

The Telerobot Testbed is a hierarchically distributed processing system which is linked together through a standard, commercial Ethernet. Standard Ethernet systems are primarily designed to manage non-real-time information transfer. Therefore, collisions on the net (i.e., two or more sources attempting to send data at the same time) are managed by randomly rescheduling one of the sources to retransmit at a later time interval. Although acceptable for transmitting noncritical data such as ma ...

11 An on-line simulator and database system for management of a commercial fish farm A. Neil Arnason, Carl J. Schwarz, David H. Scuse



Full text available: pdf(1.33 MB) Additional Information: full citation, abstract, references, index terms

We have developed an on-line system to aid in the management of enclosed, multi-tank fish farms with water filtration, heating and recirculation, where fish are grown from fingerling through to market size (about 250 gr.). The manager has a high degree of control over tank loadings and fish rearing conditions, but he must maintain high production rates within biological constraints on water quality and fish density and within system constraints imposed by the physical plant. A multi-level i ...

12 Reaching for objects in VR displays: lag and frame rate

Colin Ware, Ravin Balakrishnan

December 1994 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 1 Issue 4

Full text available: pdf(1.54 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

This article reports the results from three experimental studies of reaching behavior in a head-coupled stereo display system with a hand-tracking subsystem for object selection. It is found that lag in the head-tracking system is relatively unimportant in predicting performance, whereas lag in the hand-tracking system is critical. The effect of hand lag can be modeled by means of a variation on Fitts' Law with the measured system lag introduced as a multiplicative variable to the Fitts' La ...

**Keywords**: Fitts' Law, Haptics, virtual reality

13 DB-2 (databases): data streams: Interval query indexing for efficient stream processing Kun-Lung Wu, Shyh-Kwei Chen, Philip S. Yu November 2004



## Proceedings of the Thirteenth ACM conference on Information and knowledge management

Full text available: 📆 pdf(263.69 KB) Additional Information: full citation, abstract, references, index terms

A large number of continual range queries can be issued against a data stream. Usually, a main memory-based query index with a small storage cost and a fast search time is needed, especially if the stream is rapid. In this paper, we present a CEI-based query index that meets both criteria for efficient processing of continual interval queries in a streaming environment. This new query index is centered around a set of predefined virtual <i>containment-encoded intervals</i>, or CEIs. T ...

**Keywords:** continual queries, data streams, interval indexing, query indexing, query monitoring

14 On calibrating measurements of packet transit times

Vern Paxson

June 1998 ACM SIGMETRICS Performance Evaluation Review, Proceedings of the 1998 ACM SIGMETRICS joint international conference on Measurement and modeling of computer systems, Volume 26 Issue 1

Full text available: pdf(1.56 MB)

Additional Information: full citation, abstract, references, citings, index terms

We discuss the problem of detecting errors in measurements of the total delay experienced by packets transmitted through a wide-area network. We assume that we have measurements of the transmission times of a group of packets sent from an originating host, A, and a corresponding set of measurements of their arrival times at their destination host, B, recorded by two separate clocks. We also assume that we have a similar series of measurements of packets sent from B to A

15 Adaptive hybrid clock discipline algorithm for the network time protocol David L. Mills

October 1998 IEEE/ACM Transactions on Networking (TON), Volume 6 Issue 5

Full text available: pdf(163.51 KB) Additional Information: full citation, references, citings, index terms

Keywords: clock discipline algorithm, computer network time synchronization, feedback control loop, oscillator error modeling

16 Precision synchronization of computer network clocks

David L. Mills

April 1994 ACM SIGCOMM Computer Communication Review, Volume 24 Issue 2

Full text available: ndf(1.53 MB) Additional Information: full citation, abstract, citings, index terms

This paper builds on previous work involving the Network Time Protocol, which is used to synchronize computer clocks in the Internet. It describes a series of incremental improvements in system hardware and software which result in significantly better accuracy and stability, especially in primary time servers directly synchronized to radio or satellite time services. These improvements include novel interfacing techniques and operating system features. The goal in this effort is to improve the ...

17 Wireless home networks: Adaptive inter-piconet scheduling in small scatternets Vojislav B. Mišić, Jelena Mišić

April 2003 ACM SIGMOBILE Mobile Computing and Communications Review, Volume 7 Issue 2

Full text available: pdf(1.37 MB) Additional Information: full citation, abstract, references





Inter-piconet scheduling in a Bluetooth scatternet may be performed in an adaptive manner, so as to minimize end-to-end packet delays. Using the theory of queues with vacations, we analyze the impact of different values of scatternet parameters on end-toend delays, and then investigate the possibility of minimization of the aforementioned delays. We show that such minimization is possible for scatternets with both Slave/Slave and Master/Slave bridges, and that it should be based on inter-picone ...

18 The Use of Algorithms of Piecewise Approximations for Picture Processing Applications

Theodosios Pavlidis

December 1976 ACM Transactions on Mathematical Software (TOMS), Volume 2 Issue 4

Full text available: pdf(1.25 MB)

Additional Information: full citation, references, index terms

19 Improving the Scalability of Parallel Jobs by adding Parallel Awareness to the Operating System



Terry Jones, Shawn Dawson, Rob Neely, William Tuel, Larry Brenner, Jeffrey Fier, Robert Blackmore, Patrick Caffrey, Brian Maskell, Paul Tomlinson, Mark Roberts November 2003 Proceedings of the 2003 ACM/IEEE conference on Supercomputing

Full text available: pdf(227.39 KB) Additional Information: full citation, abstract

A parallel application benefits from scheduling policies that include a global perspective of the application's process working set. As the interactions among cooperating processes increase, mechanisms to ameliorate waiting within one or more of the processes become more important. In particular, collective operations such as barriers and reductions are extremely sensitive to even usually harmless events such as context switches among members of the process working set. For the last 18 months, w ...

20 An interval-based approach to exhaustive and incremental interprocedural data-flow analysis



Michael Burke

July 1990. ACM Transactions on Programming Languages and Systems (TOPLAS), Volume 12 Issue 3

Full text available: pdf(4.43 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

We reformulate interval analysis so that it can be applied to any monotone data-flow problem, including the nonfast problems of flow-insensitive interprocedural analysis. We then develop an incremental interval analysis technique that can be applied to the same class of problems. When applied to flow-insensitive interprocedural data-flow problems, the resulting algorithms are simple, practical, and efficient. With a single update, the incremental algorithm can accommodate any sequence of pr ...

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External memory algorithms and data structures: dealing with massive data Jeffrey Scott Vitter

June 2001 ACM Computing Surveys (CSUR), Volume 33 Issue 2

Full text available: pdf(828.46 KB)

Additional Information: full citation, abstract, references, citings, index terms

Data sets in large applications are often too massive to fit completely inside the computers internal memory. The resulting input/output communication (or I/O) between fast internal memory and slower external memory (such as disks) can be a major performance bottleneck. In this article we survey the state of the art in the design and analysis of external memory (or EM) algorithms and data structures, where the goal is to exploit locality in order to reduce the I/O costs. We consider a varie ...

Keywords: B-tree, I/O, batched, block, disk, dynamic, extendible hashing, external memory, hierarchical memory, multidimensional access methods, multilevel memory, online, out-of-core, secondary storage, sorting

2 An interval-based approach to exhaustive and incremental interprocedural data-flow analysis



Michael Burke

July 1990 ACM Transactions on Programming Languages and Systems (TOPLAS), Volume 12 Issue 3

Full text available: mpdf(4.43 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

We reformulate interval analysis so that it can be applied to any monotone data-flow problem, including the nonfast problems of flow-insensitive interprocedural analysis. We then develop an incremental interval analysis technique that can be applied to the same class of problems. When applied to flow-insensitive interprocedural data-flow problems, the resulting algorithms are simple, practical, and efficient. With a single update, the incremental algorithm can accommodate any sequence of pr ...

Research sessions: potpourri: Mining database structure; or, how to build a data quality browser



Tamraparni Dasu, Theodore Johnson, S. Muthukrishnan, Vladislav Shkapenyuk June 2002 Proceedings of the 2002 ACM SIGMOD international conference on Management of data

Full text available: pdf(1.21 MB)

Additional Information: full citation, abstract, references, citings, index

Data mining research typically assumes that the data to be analyzed has been identified, gathered, cleaned, and processed into a convenient form. While data mining tools greatly enhance the ability of the analyst to make data-driven discoveries, most of the time spent in performing an analysis is spent in data identification, gathering, cleaning and processing the data. Similarly, schema mapping tools have been developed to help automate the task of using legacy or federated data sources for a n ...

4 A predicate matching algorithm for database rule systems

Eric N. Hanson, Moez Chaabouni, Chang-Ho Kim, Yu-Wang Wang

May 1990 ACM SIGMOD Record, Proceedings of the 1990 ACM SIGMOD international conference on Management of data, Volume 19 Issue 2

Full text available: pdf(1.08 MB)

Additional Information: full citation, abstract, references, citings, index terms

Forward-chaining rule systems must test each newly asserted fact against a collection of predicates to find those rules that match the fact. Expert system rule engines use a simple combination of hashing and sequential search for this matching. We introduce an algorithm for finding the matching predicates that is more efficient than the standard algorithm when the number of predicates is large. We focus on equality and inequality predicates on totally ordered domains. This algorithm is well ...

DB-2 (databases): data streams: Interval query indexing for efficient stream processing Kun-Lung Wu, Shyh-Kwei Chen, Philip S. Yu



November 2004 Proceedings of the Thirteenth ACM conference on Information and knowledge management

Full text available: pdf(263.69 KB) Additional Information: full citation, abstract, references, index terms

A large number of continual range queries can be issued against a data stream. Usually, a main memory-based query index with a small storage cost and a fast search time is needed, especially if the stream is rapid. In this paper, we present a CEI-based query index that meets both criteria for efficient processing of continual interval queries in a streaming environment. This new query index is centered around a set of predefined virtual <i>containment-encoded intervals</i>, or CEIs. T ...

**Keywords:** continual queries, data streams, interval indexing, query indexing, query monitoring

Dynamic quorum adjustment for partitioned data

Maurice Herlihy

June 1987 ACM Transactions on Database Systems (TODS), Volume 12 Issue 2

Full text available: pdf(2.12 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

A partition occurs when functioning sites in a distributed system are unable to communicate. This paper introduces a new method for managing replicated data objects in the presence of partitions. Each operation provided by a replicated object has a set. of quorums, which are sets of sites whose cooperation suffices to execute the operation. The method permits an object's quorums to be adjusted dynamically in response to failures and recoveries. A transaction that is unable to progress using ...

7 Multidimensional access methods

Volker Gaede, Oliver Günther

June 1998 ACM Computing Surveys (CSUR), Volume 30 Issue 2



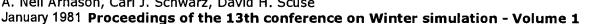
Full text available: pdf(1.05 MB)

Additional Information: full citation, abstract, references, citings, index

Search operations in databases require special support at the physical level. This is true for conventional databases as well as spatial databases, where typical search operations include the point query (find all objects that contain a given search point) and the region query (find all objects that overlap a given search region). More than ten years of spatial database research have resulted in a great variety of multidimensional access methods to support ...

**Keywords**: data structures, multidimensional access methods

8 An on-line simulator and database system for management of a commercial fish farm A. Neil Arnason, Carl J. Schwarz, David H. Scuse



Full text available: pdf(1.33 MB)

Additional Information: full citation, abstract, references, index terms

We have developed an on-line system to aid in the management of enclosed, multi-tank fish farms with water filtration, heating and recirculation, where fish are grown from fingerling through to market size (about 250 gr.). The manager has a high degree of control over tank loadings and fish rearing conditions, but he must maintain high production rates within biological constraints on water quality and fish density and within system constraints imposed by the physical plant. A multi-level i ...

9 Modeling data for the summary database

Richard J. Orli

September 1990 ACM SIGMIS Database, Volume 21 Issue 1

Full text available: pdf(869.77 KB) Additional Information: full citation, abstract, citings, index terms

Summarization abstracts information and so reduces flexibility. The challenge of summary database design is providing adequately flexible information to meet the needs of the business process it serves. This article addresses this challenge by examining the basic forms of summarization as a set of model record forms, each with advantages and disadvantages. The function of information implied by these forms is described in terms of the business process model. This model is the basis of a proposed ...

10 A provably efficient computational model for approximate spatiotemporal retrieval Delis Vasilis, Makris Christos, Sioutas Spiros



November 1999 Proceedings of the 7th ACM international symposium on Advances in geographic information systems

Full text available: pdf(149.97 KB) Additional Information: full citation, references, index terms

11 Research sessions: stream management: Online event-driven subsequence matching over financial data streams



Huanmei Wu, Betty Salzberg, Donghui Zhang

June 2004 Proceedings of the 2004 ACM SIGMOD international conference on Management of data

Full text available: pdf(753.59 KB) Additional Information: full citation, abstract, references

Subsequence similarity matching in time series databases is an important research area for many applications. This paper presents a new approximate approach for automatic online subsequence similarity matching over massive data streams. With a simultaneous on-line segmentation and pruning algorithm over the incoming stream, the resulting piecewise linear representation of the data stream features high sensitivity and accuracy. The

similarity definition is based on a permutation followed by a met ...

## 12 Query evaluation techniques for large databases

Goetz Graefe

June 1993 ACM Computing Surveys (CSUR), Volume 25 Issue 2

Full text available: pdf(9.37 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

Database management systems will continue to manage large data volumes. Thus, efficient algorithms for accessing and manipulating large sets and sequences will be required to provide acceptable performance. The advent of object-oriented and extensible database systems will not solve this problem. On the contrary, modern data models exacerbate the problem: In order to manipulate large sets of complex objects as efficiently as today's database systems manipulate simple records, query-processi ...

Keywords: complex query evaluation plans, dynamic query evaluation plans, extensible database systems, iterators, object-oriented database systems, operator model of parallelization, parallel algorithms, relational database systems, set-matching algorithms, sort-hash duality

13 Experimental evaluation of dynamic data allocation strategies in a distributed database with changing workloads



Anna Brunstrom, Scott T. Leutenegger, Rahul Simha

December 1995 Proceedings of the fourth international conference on Information and knowledge management

Full text available: pdf(962.51 KB) Additional Information: full citation, references, citings, index terms

## 14 A temporally oriented data model

Gad Ariav

December 1986 ACM Transactions on Database Systems (TODS), Volume 11 Issue 4

Full text available: pdf(2.52 MB)

Additional Information: full citation, abstract, references, citings, index

The research into time and data models has so far focused on the identification of extensions to the classical relational model that would provide it with "adequate" semantic capacity to deal with time. The temporally oriented data model (TODM) presented in this paper is a result of a different approach, namely, it directly operationalizes the pervasive three-dimensional metaphor for time. One of the main results is thus the development of the notion of the data cube: a three-di ...

15 ProbView: a flexible probabilistic database system

Laks V. S. Lakshmanan, Nicola Leone, Robert Ross, V. S. Subrahmanian September 1997 ACM Transactions on Database Systems (TODS), Volume 22 Issue 3

Full text available: Rodf(1,92 MB)

Additional Information: full citation, abstract, references, citings, index

Probability theory is mathematically the best understood paradigm for modeling and manipulating uncertain information. Probabilities of complex events can be computed from those of basic events on which they depend, using any of a number of strategies. Which strategy is appropriate depends very much on the known interdependencies among the events involved. Previous work on probabilistic databases has assumed a fixed and restrictivecombination strategy (e ...

Keywords: probabilistic databases, view maintenance

16 Supporting semiconductor manufacturing simulation tools using a structured data model



Susan S. Baum, Peter G. Glassey

December 1992 Proceedings of the 24th conference on Winter simulation

Full text available: pdf(613.47 KB) Additional Information: full citation, references, index terms

17 Automatically extracting structure and data from business reports



Stephen W. Liddle, Douglas M. Campbell, Chad Crawford

November 1999 Proceedings of the eighth international conference on Information and knowledge management

Full text available: mpdf(1.04 MB)

Additional Information: full citation, abstract, references, index terms

A considerable amount of clean semistructured data is internally available to companies in the form of business reports. However, business reports are untapped for data mining, data warehousing, and querying because they are not in relational form. Business reports have a regular structure that can be reconstructed. We present algorithms that automatically infer the regular structure underlying business reports and automatically generate wrappers to extract relational data.

Keywords: automatic wrapper generation, business reports, data and information extraction, regular expressions, report structure

18 Statistical profile estimation in database systems



Michael V. Mannino, Paicheng Chu, Thomas Sager September 1988 ACM Computing Surveys (CSUR), Volume 20 Issue 3

Full text available: pdf(2.94 MB)

Additional Information: full citation, abstract, references, citings, index <u>terms</u>

A statistical profile summarizes the instances of a database. It describes aspects such as the number of tuples, the number of values, the distribution of values, the correlation between value sets, and the distribution of tuples among secondary storage units. Estimation of database profiles is critical in the problems of query optimization, physical database design, and database performance prediction. This paper describes a model of a database of profile, relates this model to estimating ...

19 Spot: distance based join indices for spatial data



Tsin Shu Yeh

November 1999 Proceedings of the 7th ACM international symposium on Advances in geographic information systems

Full text available: pdf(230.64 KB) Additional Information: full citation, references, citings, index terms

**Keywords:** GIS, join indices, spatial data processing, spatial operators

20 Special issue on Mobile Data Management: Reading temporally consistent data in broadcast disks



Victor C. S. Lee, Joseph K. Ng, Jo Y. P. Chong, Kwok-wa Lam July 2004 ACM SIGMOBILE Mobile Computing and Communications Review, Volume 8 Issue 3

Full text available: pdf(234,42 KB) Additional Information: full citation, abstract, references

In this paper, we study the performance and impact of maintaining temporal consistency on a recently proposed concurrency control protocol for processing transactions in broadcast environments. This protocol offers autonomy between mobile clients and the server such that mobile clients can read consistent data off the air without contacting the server. However, most of the existing mobile computing applications, such as information dispersal systems for stock prices and weather information, a ...

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1 Session C2: bio-medical I: Chromatin decondensation: a case study of tracking features in confocal data

Wim de Leeuw, Robert van Liere

October 2001 Proceedings of the conference on Visualization '01

Full text available: pdf(123.99 KB)

Publisher Site

Additional Information: full citation, abstract, references, citings, index

terms

In this case study we discuss an interactive feature tracking system and its use for the analysis of chromatin decondensation. Features are described as points in a multidimensional attribute space. Distances between points are used as a measure for feature correspondence. Users can interactively experiment with the correspondence measure in order to gain insight in chromatin movement. In addition, by defining time as an attribute, tracking problems related to noisy confocal data can be circumve ...

Keywords: biomedical imaging, feature tracking, multidimensional visualization

<sup>2</sup> A data tracking scheme for general networks

Rajmohan Rajaraman, Andreáa W. Richa, Berthold Vöcking, Gayathri Vuppuluri July 2001 Proceedings of the thirteenth annual ACM symposium on Parallel algorithms and architectures

Full text available: pdf(299.45 KB)

Additional Information: full citation, abstract, references, citings, index terms

Consider an arbitrary distributed network in which large numbers of objects are continuously being created, replicated, and destroyed. A basic problem arising in such an environment is that of organizing a data tracking scheme for locating object copies. In this paper, we present a new tracking scheme for locating nearly copies of replicated objects in arbitrary distributed environments.

Our tracking scheme supports efficient accesses to data objects while keeping the local mem ...

3 Session C3: physical science and engineering: Case study: visualization of particle track data

Xiaoming Wei, Arie E. Kaufman, Timothy J. Hallman October 2001 Proceedings of the conference on Visualization '01 Full text available: pdf(315.98 KB) Additional Information: full citation, abstract, references, index terms Publisher Site

The Relativistic Heavy Ion Collider (RHIC) experiment at the Brookhaven National Lab is designed to study how the universe came into being. It is believed that after the Big Bang, the universe expanded and cooled, consisting of a soup of quarks, gluons, electrons and neutrinos. As the temperature lowered, electrons combined with protons and formed neutral atoms. Later, clouds of atoms contracted into stars. In this paper, we describe how techniques of volume rendering and information visualizati ...

4 A discrete-time neural network multitarget tracking data association algorithm Olusevi Olurotimi



May 1991 Proceedings of the conference on Analysis of neural network applications

Full text available: pdf(862,55 KB) Additional Information: full citation, references, index terms

5 Retrieving video data via motion tracks of content symbols

Tim T. Y. Wai, Arbee L. P. Chen



Full text available: pdf(1,20 MB)

Additional Information: full citation, references, citings, index terms

Student tracking and personalization: Visualising student tracking data to support instructors in web-based distance education



Riccardo Mazza, Vania Dimitrova

May 2004 Proceedings of the 13th international World Wide Web conference on Alternate track papers & posters

Full text available: pdf(340.17 KB) Additional Information: full citation, abstract, references, index terms

This paper presents a novel approach of using web log data generated by course management systems (CMS) to help instructors become aware of what is happening in distance learning classes. Specifically, techniques from Information Visualization are used to graphically render complex, multidimensional student tracking data collected by CMS. A system, called CourseVis, illustrates the proposed approach. Graphical representations from the use of CourseVis to visualise data from a java on-line distan ...

Keywords: Web-based distance education, information visualization, student tracking

Digital data processor for tracking the partially illuminated moon H. James Wilcox



March 1964 Communications of the ACM, Volume 7 Issue 3

Full text available: pdf(2.17 MB)

Additional Information: full citation, abstract, references, index terms

A study of lunar tracking techniques and fabrication of a breadboard to assess the feasibility of the best technique selected was conducted to define a tracking system for observation of the sightline to the center of a partially illuminated moon. The data processing portion of the system is presented in detail and then described in general are the operation of the tracker head assembly for data readout, the operation of the entire system and the effect data processing considerations have o ...

Painterly rendering: Abstracted painterly renderings using eye-tracking data Anthony Santella, Doug DeCarlo



## June 2002 Proceedings of the 2nd international symposium on Non-photorealistic animation and rendering

Full text available: pdf(2.23 MB)

Additional Information: full citation, abstract, references, citings, index terms

When used by artists, manual interfaces for painterly rendering can yield very satisfying abstract transformations of images. Automatic techniques produce interesting paintings as well, but can only recast pictures in a different style without performing any abstraction. At best, information is removed uniformly across the image, without emphasizing the important content. We describe a new approach for the creation of painterly renderings that draws on a model of human perception and is driven b ...

Keywords: automatic painting, eye-tracking, image simplification, perceptual model

9 Industry/government track papers: V-Miner: using enhanced parallel coordinates to mine product design and test data



Kaidi Zhao, Bing Liu, Thomas M. Tirpak, Andreas Schaller

August 2004 Proceedings of the 2004 ACM SIGKDD international conference on Knowledge discovery and data mining

Full text available: ndf(1.16 MB)

Additional Information: full citation, abstract, references, index terms

Analyzing data to find trends, correlations, and stable patterns is an important task in many industrial applications. This paper proposes a new technique based on parallel coordinate visualization. Previous work on parallel coordinate methods has shown that they are effective only when variables that are correlated and/or show similar patterns are displayed adjacently. Although current parallel coordinate tools allow the user to manually rearrange the order of variables, this process is very ti ...

**Keywords**: change patterns, parallel coordinate visualization, rules

10 Factored latent analysis for far-field tracking data





Full text available: pdf(670.26 KB) Additional Information: full citation, abstract, references

This paper uses Factored Latent Analysis (FLA) to learn a factorized, segmental representation for observations of tracked objects over time. Factored Latent Analysis is latent class analysis in which the observation space is subdivided and each aspect of the original space is represented by a separate latent class model. One could simply treat these factors as completely independent and ignore their interdependencies or one could concatenate them together and attempt to learn latent class st ...

11 Research track papers: Mining, indexing, and querying historical spatiotemporal data Nikos Mamoulis, Huiping Cao, George Kollios, Marios Hadjieleftheriou, Yufei Tao, David W. Cheuna



August 2004 Proceedings of the 2004 ACM SIGKDD international conference on Knowledge discovery and data mining

Full text available: pdf(347.95 KB) Additional Information: full citation, abstract, references, index terms

In many applications that track and analyze spatiotemporal data, movements obey periodic patterns; the objects follow the same routes (approximately) over regular time intervals. For example, people wake up at the same time and follow more or less the same route to their work everyday. The discovery of hidden periodic patterns in spatiotemporal data, apart from unveiling important information to the data analyst, can facilitate data management substantially. Based on this observation, we propose ...

**Keywords:** indexing, pattern mining, spatiotemporal data, trajectories

12 <u>Data mining: Wavelet fuzzy classification for detecting and tracking region outliers in meteorological data</u>



Chang-Tien Lu, Lily R. Liang

November 2004 Proceedings of the 12th annual ACM international workshop on Geographic information systems

Full text available: pdf(581,72 KB) Additional Information: full citation, abstract, references, index terms

In this paper, a wavelet fuzzy classification approach is proposed to detect and track region outliers in meteorological data. First wavelet transform is applied to meteorological data to bring up distinct patterns that might be hidden within the original data. Then a powerful image processing technique, edge detection with competitive fuzzy classifier, is extended to identify the boundary of region outlier. After that, to determine the center of the region outlier, the fuzzy-weighted average ...

Keywords: fuzzy classification, outlier detection, spatial data mining

13 Data fusion in 3D through surface tracking

Jonathan Shapiro, P. H. Mowforth

June 1990 Proceedings of the third international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 1

Full text available: pdf(955.56 KB) Additional Information: full citation, abstract, references, index terms

Sensory signals typically suffer from noise, ambiguity, spurious signals and omissions. For a robot to successfully model the environment in which it operates, it must use signals captured from different locations in time and space in an effort to select those signals that appear to be accurate. Data fusion, the process of combining signals into a single representation, is an essential component of a mobile robotics system. In this paper, we describe a new method for solving data fusion for ...

14 Research track papers: Clustering time series from ARMA models with clipped data
A. J. Bagnall, G. J. Janacek



August 2004 Proceedings of the 2004 ACM SIGKDD international conference on Knowledge discovery and data mining

Full text available: pdf(305.69 KB) Additional Information: full citation, abstract, references, index terms

Clustering time series is a problem that has applications in a wide variety of fields, and has recently attracted a large amount of research. In this paper we focus on clustering data derived from Autoregressive Moving Average (ARMA) models using k-means and k-medoids algorithms with the Euclidean distance between estimated model parameters. We justify our choice of clustering technique and distance metric by reproducing results obtained in related research. Our research aim is to assess the aff ...

Keywords: ARMA, clustering, time series

15 Session C3: physical science and engineering: Case study: application of feature tracking to analysis of autoignition simulation data



Wendy S. Koegler

October 2001 Proceedings of the conference on Visualization '01

Full text available: mpdf(273.82 KB)



Additional Information: full citation, abstract, references, index terms

The focus of this paper is to evaluate the usefulness of some basic feature tracking algorithms as analysis tools for combustion datasets by application to a dataset modeling autoignition. Features defined as areas of high intermediate concentrations were examined to explore the initial phases in the autoigniton process.

**Keywords**: autoignition, combustion, feature detection, feature tracking

16 Demonstrations: web usability: WebEyeMapper and WebLogger: tools for analyzing eye tracking data collected in web-use studies Robert W. Reeder, Peter Pirolli, Stuart K. Card



March 2001 CHI '01 extended abstracts on Human factors in computing systems

Full text available: pdf(209.40 KB)

Additional Information: full citation, abstract, references, citings, index terms

Eye trackers output a stream of points at which the eye was looking. To give these points meaning, researchers analyzing eye tracking data need to map the points onto the meaningful objects at which the eye was looking. Performing this mapping has proven to be a tedious, time-consuming task. We present a software system that automates this task for Web usabilty studies that incorporate eye tracking.

**Keywords**: eye tracker, eye tracking, usabilty, webeyemapper, weblogger

17 Research track papers: Towards parameter-free data mining Eamonn Keogh, Stefano Lonardi, Chotirat Ann Ratanamahatana August 2004 Proceedings of the 2004 ACM SIGKDD international conference on Knowledge discovery and data mining



Full text available: ndf(770.63 KB) Additional Information: full citation, abstract, references, index terms

Most data mining algorithms require the setting of many input parameters. Two main dangers of working with parameter-laden algorithms are the following. First, incorrect settings may cause an algorithm to fail in finding the true patterns. Second, a perhaps more insidious problem is that the algorithm may report spurious patterns that do not really exist, or greatly overestimate the significance of the reported patterns. This is especially likely when the user fails to understand the role of par ...

**Keywords**: anomaly detection, clustering, parameter-free data mining

18 Industry/government track papers: Mining coherent gene clusters from gene-sampletime microarray data



Daxin Jiang, Jian Pei, Murali Ramanathan, Chun Tang, Aidong Zhang August 2004 Proceedings of the 2004 ACM SIGKDD international conference on Knowledge discovery and data mining

Full text available: pdf(489.99 KB)

Additional Information: full citation, abstract, references, citings, index terms

Extensive studies have shown that mining microarray data sets is important in bioinformatics research and biomedical applications. In this paper, we explore a novel type of gene-sample-time microarray data sets, which records the expression levels of various genes under a set of samples during a series of time points. In particular, we propose the mining of coherent gene clusters from such data sets. Each cluster contains a subset of genes and a subset of samples such that the genes are c ...

**Keywords:** bioinformatics, clustering, microarray data

19 Research track papers: Systematic data selection to mine concept-drifting data streams



Wei Fan

August 2004 Proceedings of the 2004 ACM SIGKDD international conference on Knowledge discovery and data mining

Full text available: 📆 pdf(226.95 KB) Additional Information: full citation, abstract, references, index terms

One major problem of existing methods to mine data streams is that it makes ad hoc choices to combine most recent data with some amount of old data to search the new hypothesis. The assumption is that the additional old data always helps produce a more accurate hypothesis than using the most recent data only. We first criticize this notion and point out that using old data blindly is not better than "gambling"; in other words, it helps increase the accuracy only if we are "lucky." We discuss and ...

Keywords: concept-drift, data streams, decision trees

20 Research track posters: On demand classification of data streams

Charu C. Aggarwal, Jiawei Han, Jianyong Wang, Philip S. Yu

August 2004 Proceedings of the 2004 ACM SIGKDD international conference on Knowledge discovery and data mining

Full text available: pdf(160.50 KB) Additional Information: full citation, abstract, references, index terms

Current models of the classification problem do not effectively handle bursts of particular classes coming in at different times. In fact, the current model of the classification problem simply concentrates on methods for one-pass classification modeling of very large data sets. Our model for data stream classification views the data stream classification problem from the point of view of a dynamic approach in which simultaneous training and testing streams are used for dynamic cla ...

**Keywords**: classification, data streams

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<u>Dynamic Object Localization via a Proximity Sensor Network - Petryk And (1996) (Correct)</u>
2000 d (mm) theta (deg) V (counts) Figure 1: Top: Raw sensor data, Bottom: Surface plot of characterized of the moving object, despite noisy sensor data and unmodelled object dynamics. Such a system was sampled by a Transputer-based [11] realtime data acquisition system. The maximum range of the ftp.cim.mcgill.ca/pub/arl/publications/MFI96.ps

International Conference on Multimedia Computing and Systems - Submission Of (Correct) models has revolved around media-modelling or database modelling (Buford, 1994) rather then true paper presents our initial application of the structured graph visual formalism to the MATILDA data by the tendency to cloud the distinction between raw data and the information represented by that data, www.eng.uts.edu.au/~dbl/papers/96hir01a.ps

The RESOLV Texture-Mapping Module - Butterfield, Ng, Hogg (1997) (Correct) (1 citation) to construct such models automatically from real **structures** opens up a range of additional opportunities. modules which perform distinct functions, such as **raw** 3D **data** acquisition, surface fitting and textured 3D scene models by fusing laser range **data** and visual images. Texturing the 3D models using agora.leeds.ac.uk/scs/doc/reports/1997/97\_48.ps.Z

<u>Wireless Data Network Infrastructure at Carnegie Mellon...- Hills, Johnson (1996) (Correct) (6 citations)</u> are powered by the campus 110 VAC system. This **structure** allows us to operate the high-speed wireless station coverage radius 1-10 miles 100-800 feet **Raw** transmission **data** bandwidth 19.2 kbps 2 Mbps Communications, 3(1)February 1996. Wireless **Data** Network Infrastructure at Carnegie Mellon www.monarch.cs.cmu.edu/monarch-papers/pcs-andrew.ps

SETH - A VLSI Chip for the Real-Time Information Dispersal and... - Bestavros (1990) (Correct) (1 citation) Introduction The storage and transmission of **data** in computer systems raises significant security security and reliability problems. In particular, **data** might be lost due to hardware failures, it might is to have users store and communicate their **data** using some form of encryption, where only www.cs.bu.edu/~best/res/papers/icpp90.ps

Integrated Finite State Machine And Rf Timing Modules For.. - Woodbury, McClure (1995) (Correct) (BSCLK) These clock signals carried on serial data links consist of a carrier (TCLK =10MHz, BSCLKs = encoding is used. Events are decoded off the data stream and delays timed using the carrier. Beam on another serial link called the Machine Data (MDAT) link. MDAT data frames are also encoded adwww.fnal.gov/www/icalepcs/abstracts/Postscript/fpo59.ps

A Bayesian Computer Vision System for Modeling Human.. - Oliver, Rosario, Pentland (1999) (Correct) (45 citations)

except synthetically-generated ones. The paper is **structure**d as follows: section 2 presents an overview of to deal with the problem of limited training **data**, a synthetic 'Alife-style' training system is used interactions. A major problem with a **data**-driven statistical approach, especially when drew.www.media.mit.edu/~nuria/authoring/../humanBehavior/icvs99.ps.gz

Interpretation of Neural Networks for Classification Tasks - Bernatzki, Eppler, Gemmeke (1996) (Correct) (1 citation)

will show that the overcoming of the black box **structure** of neural networks is not academical. It shows of a network have to be made independent of any **data** set by the experience of the network designer. But Subsymbolic processing means that it is the **data** itself structuring its processing capabilities. fuzzy.fzk.de/eppler/postscript/eufit.ps

The Complexity of Transformation-Based Join Enumeration - Pellenkoft.. (1997) (Correct) (13 citations)

vieuws. International Conference on Extending **Database** Technology, Avignon, France, pages 167-182, when no new information is produced. A memoizing **structure** was proposed in [McK93] to improve the re-use that copying is by permission of the Very Large **Data** Base Endowment. To copy otherwise, or to www.cwi.nl/~arjan/papers/vldb97.ps.gz

<u>Variations on the Visitor Pattern - Nordberg, III (1996) (Correct) (5 citations)</u> prove useful for improving the traversal of a **structure** of "visitable" objects under certain www.cs.wustl.edu/~schmidt/PLoP-96/nordberg.ps.gz

Absorbers At High Redshift — Large Disks Or Galactic.. - Martin Haehnelt (Correct) galaxies: kinematics and dynamics -galaxies: structure -intergalactic medium -quasars: spectra were made to resemble typical Keck data obtainable within a few hours from a 16-17th show the cumulative probability distribution. The data is taken from Prochaska &Wolfe (1997)3. www.mpa-garching.mpg.de/~haehnelt/Preprints/green 1029.ps.gz

Toward a General Theory of Computation and Specification over...- Tucker, al. (1990) (Correct) (1 citation) of computation and specification over classes of **structures**, modelling abstract **data** types. Applications of Computation and Specification over Abstract **Data** Types J.V. Tucker 1 Department of Mathematics over classes of **structures**, modelling abstract **data** types. Applications include logic programming www.dcss.mcmaster.ca/~zucker/Pubs/Niagara/text.ps

Barriers to Effective Process Architecture - An Experience.. - Dandekar, Perry (Correct) of detail, no clear architectural organizational **structure**. We report the results of a quality improvement kinds of analyses and summaries produced include **data** on the average interface **structure** of the specifications, the interface errors found, and **data** on the production and use of the process www.bell-labs.com/~dep/work/papers/spip2-1.ps.gz

<u>Do We Need the Closed-World Assumption in Knowledge Representation? - Hustadt (1994) (Correct) (2 citations)</u>

e-mail hustadt@mpi-sb.mpg.de 1 Introduction **Database** systems and knowledge representation systems describing the conceptual scheme and the actual **data**, and computation, i.e. answering of queries and i.e. answering of queries and manipulation of **data**. The **database** management system of a **database** sunsite.informatik.rwth-aachen.de/Publications/CEUR-WS/VoI-1/hustadt-long.ps

Bypassing Joins in Disjunctive Queries - Steinbrunn, Peithner, Moerkotte.. (1995) (Correct) (7 citations) Since the early stages of relational database development, query optimization has received a Introduction Since the early stages of relational database development, query optimization has received a has recently shifted to so-called "next-generation" database systems [FMV93]Fre87, GD87, Loh88] This pi3.informatik.uni-mannheim.de/publications/MIP9412.ps

Right or Wrong. Combining lexical resources in the EuroWordNet.. - Piek Vossen (1996) (Correct) (2 citations) created resources, making the ultimate database more consistent and reliable, while keeping the like any other dictionary) but it will also be structured by the (American)English lexicalization of created resources, making the ultimate database more consistent and reliable, while keeping www.let.uva.nl/~ewn/docs/P005.ps

Cooperation Contracts - Schrefl, Kappel (1991) (Correct) (2 citations)
benefits for behavior modeling in object-oriented database design. Behavior which is provided by several object has a set of properties representing its structure and a set of methods representing its behavior. benefits for behavior modeling in object-oriented database design. Behavior which is provided by several linux.eecs.umich.edu/.5/groups/gasm/cooperate.ps.gz

Prairie: A Rule Specification Framework for Query Optimizers - Dinesh Das (1995) (Correct) (5 citations) optimization [9, 12, 20] is a fundamental part of **database** systems. It is the process of generating an this situation, we propose an extensible and **structured** algebraic framework called Prairie for optimization [9, 12, 20] is a fundamental part of **database** systems. It is the process of generating an ftp.mcc.ac.uk/pub/lex/latex/contrib/supported/utthesis/tr94-16.ps

<u>Terminological Reasoning by Query Evaluation: A Formal .. - Reimer, Lippuner.. (1995) (Correct) (2 citations)</u> be submitted as a whole to the underlying **database** system we can take full advantage of all the on providing efficient physical access **structures**, as well as on parallelisation that are

Mapping of a Terminological Logic to an Object **Data** Model U. Reimer 1 P. Lippuner 1 M. research.swisslife.ch/Papers/data/hywibas/KRUSE95/kruse.short.ps.gz

<u>VIQING: Visual Interactive QueryING - Olston, Stonebraker, Aiken.. (1998) (Correct)</u> a unified visual interface for developing **database** applications, encompassing both querying and for expressing queries via direct manipulation of **data** visualizations. VIQING provides a simple and join. VIQING has been implemented in the Tioga **DataS**plash visualization system to provide a seamless wuarchive.wustl.edu/packages/postgres/papers/vl98-viging.msword.ps.Z

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Semantics and Pragmatics of Vague Probability Expressions - Kipper (1994) (Correct) (2 citations) conducted in a neutral context designed to yield data that could be used to explain differing uses and for each probability (corresponding to a wheel) the value assigned by the subject. These curves will be adverbs. The upper part of Figure 1 summarizes the data by giving, for each adverb phrase, a curve showing zaphod.cs.uni-sb.de/~jameson/gz/cogsci94.kipper.ps.gz

Querying TSQL2 Databases with Temporal Logic - Böhlen, Chomicki, Snodgrass.. (1996) (Correct) (2 citations)

Querying TSQL2 Databases with Temporal Logic Michael H. Bohlen 1 of temporal logic. This view means that the truth-values of facts are associated with individual time Querying TSQL2 Databases with Temporal Logic Michael H. Bohlen 1 Jan hawkmail.monmouth.edu/~jchomick/papers-edbt96.ps.Z

<u>Using a Distance Metric on Genetic Programs to Understand.. - Una-May Reilly (1997) (Correct) (2 citations)</u> 75 generations it was one value short of perfect (adjusted fitness of 64) For insight it was allowed to not answered the ultimate question. In fact, the data from crossover distance, BI-POOL distance and the cost of substituting i with j. I use the value one for every entry except the diagonal which www.ai.mit.edu/people/unamay/icga-ws-papers/icga-posn.ps

A High-Performance Data Server for High Energy Physics - Athanas Jeong (1997) (Correct) (2 citations) A High-Performance Data Server for High Energy Physics M. Athanas K. kkucc.konkuk.ac.kr/~jeongk/index-directory/iopads-server.ps

Rule Discovery using Patterns from Joined Table of Relational .. - Sug. Dankel, II (Correct) of test attributes, the tree complexity is adjusted by, the number of generated nodes so far) using Patterns from Joined Table of Relational Databases Hyontai Sug and Douglas D. Dankel II in relational databases which are used to cluster values and generate tables. Moreover, our methods take ftp.cise.ufl.edu/pub/faculty/ranka/Proceedings/p6.ps

Real-Time Self-Localization in Unknown Indoor Environments using.. - Einsele (1997) (Cerrect) (5 citations) thereby renders a qualitative fusion of the sensory data. For an exact quantitative estimate of the robot's reflectivity as well as computing the actual range values is done on a standard i586 PC running under the panorama scans can easily be added to the map's database when performing exploration, and can also be ftp.lpr.e-technik.tu-muenchen.de/pub/papers/rovi/iros97-te.ps.gz

Data Processing in Macromolecular Crystallography - Andrew Howard (Correct) if C(X,Y) Z \*3) In X-GEN, Z is a user-adjustable constant, but it generally lies around 0.4. Data Processing in Macromolecular Crystallography determined orientation matrices and unit cell values. These required methods of gathering lists of ftp.sdsc.edu/pub/sdsc/societies/IUCr/School96/ah/ah.ps.gz

Visualizing and Querying Distributed Event Traces with Hy+ - Consens, Hasan, Mendelzon (1994) (Correct) (2 citations)

program deals with large volumes of trace data that describe the program's behaviour. queries, like data are manipulated in a database. In this paper we show how the Hy GraphLog ftp.cs.toronto.edu/db/papers/adb94.col.ps.Z

Reasoning about Changes and Uncertainty in Browser Customization - Kerstin Voigt (1995) (Correct) ultimate performance and "feel" of this tool, and adjust its parameters accordingly. Again, choosing Assessing and quantifying relevance from raw usage data An intelligent browser should be able to called background probability. In the example, a value of 0.3 was selected as the default for all

www.cs.uchicago.edu/~burke/aiakn/wnotes/voigt.ps.Z

Simple Neuron Models for Independent Component Analysis - Hyvärinen, Oja (1997) (Correct) (1 citation) one of the independent components from sphered data. Some of the learning rules can be used to (Jutten and Herault, 1991)the observed values of v correspond to a realization of an to estimate independent components from non-sphered (raw) mixtures. To separate several independent www.cis.hut.fi/~aapo/ps/gz/IJNS97.ps.gz

Applying a Machine Learning Workbench: Experience.. - Garner.. (1995) (Correct) to augment the dataset with new attributes or to adjust a scheme's parameters. Then the process is Learning Workbench: Experience with Agricultural Databases Stephen R. Garner, Sally Jo Cunningham, www.cs.waikato.ac.nz/ml/publications/1995/Garner95-imlc95.ps.gz

<u>Using Hy+ for Network Management and Distributed Debugging - Consens, Hasan, Mendelzon</u> (Correct) program both must deal with large volumes of **data**. Visualization is widely believed to help in ftp.db.toronto.edu/pub/papers/cascon93nmdd.ps.Z

Anaphoric Presupposition and Discourse Connectivity - Webber, Knott, Stone, Joshi (1999) (Correct) (1 citation)

Speech, 39(2-3)143-183. Alistair Knott. 1996. A **Data**-driven Methodology for Motivating a Set of Areas or Theme ID: discourse semantics, discourse **structure** Word Count: 3200 Under consideration for www.dai.ed.ac.uk/staff/personal\_pages/bonnie/acl99.ps.gz

Interactive Hierarchical Data Investigation using Abstractions... Dr Jonathan (1996) (Correct) of detail [8]throw away information, augment and adjust the position or value of the information and Interactive Hierarchical Data Investigation using Abstractions -the Waltz www.cs.ukc.ac.uk/pubs/1996/312/content.ps.gz

Compiling SDL Into The Finite State Specification Language.. - Basbugoglu, al. (Correct)
a blocking condition for flow control not to lose data in synchronization the verification exercise is selection phase, in all processes of the system, a value for the selection variable is chosen. This is on EFSM model and thus it lacks the algebraic structure: powerful asset for both specification and ftp.srdc.metu.edu.tr/pub/fmg/papers/compiling\_sdl\_into\_the\_finite\_state\_specification\_language\_cospan.ps.gz

Selective Attention and Self-Organizing Maps - Göppert, Rosenstiel (1994) (Correct) not possible, but further information of training data may be known, which can be used in the same way. with another type of determining an expection value in the training phase is presented in [Xu90]3.2 in a fixed serial order from one storage structure to the next from sensory storage to short www-ti.informatik.uni-tuebingen.de/~goeppert/papers/nimes94.ps.gz

Right Triangular Irregular Networks - Evans, Kirkpatrick, Townsend (1997) (Correct) (13 citations) of Arizona Abstract We describe a hierarchical data structure for representing a digital terrain to us as a two-dimensional array of height values. We assume that the height value in location i j Arizona Abstract We describe a hierarchical data structure for representing a digital terrain (height www.cs.arizona.edu/people/will/papers/rtin.ps.gz

Ontogenetic Programming - Spector, Stoffel (1996) (Correct) (3 citations)
the appropriate y value for each x value in a data set. Often the data set is generated by a known when there is an adaptive advantage to having an f value at maturity that differs significantly from the College Park, MD 20742 ABSTRACT In nature, the structure and behavior of a mature organism is determined helios.hampshire.edu/~lasCCS/pubs/onto-gp96-e.ps

The Text System Fo Natural Language Generation: An Overview\* - Kathleen Mckeown Dept (Correct) method within the context of a natural language database system, addressing the specific problem of partitions are made on the basis of different values possessed for given, shared attributes, termed Schemas, which encode aspects of discourse structure, are used to guide the generation process. A acl.ldc.upenn.edu/P/P82/P82-1028.pdf

Structural similarity search in databases: YAKUSA - Mathilde Carpentier Sophie (2003) (Correct)
Structural similarity search in databases: YAKUSA Mathilde Carpentier 1) Sophie
angles in the PDB is near 42. We set T to a default value of 30in order to have a negative score between

PDB Introduction As the number of protein structures in 3D databases increases (21151 PDB entries, www.inra.fr/Internet/Departements/bia/recherche/colloques/ECCB-2003/posters/pdf/Molec\_Carpentier\_20030609\_204406.pdf

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Failure Mode Assumptions and Assumption Coverage - David Powell (1992) (Correct) (60 citations) Symp. on Reliability in Distributed Software and Database Systems, Los Angeles, CA, USA)pp.215-222, This model specifies the service as the sequence of value-time tuples of service items that would be individual service items can be erroneous in the value and time domains. The service model is then ftp.laas.fr/pub/Publications/1991/91462.ps

<u>Demand-Driven Interprocedural Constant Propagation.. - Autrey (1994) (Correct)</u> is a fruitful area of current research. Other **data**types, such as structures, bit and string graph [WZ91]SCC is an optimistic (assumes **values** are constant until proven otherwise) worklist with an algorithm that uses a pessimistic (assumes **values** are non-constants until proven otherwise) www.cse.ogi.edu/Sparse/paper/autrey.rpe.94.ps

Simulation-Based Optimization of Markov Reward Processes - Marbach, Tsitsiklis (1998) (Correct) (35 citations)

A (randomized) policy is defined as a **mapping** S 7! 0 1] L with components u (i) uncertainty. DP methods rely on a suitably defined **value** function that has to be computed for every state (a) One can use a parametric representation of the **value** function. For example, instead of associating a www.ccsr.cam.ac.uk/~pm259/ac\_98.ps.gz

Slicing Concurrent Java Programs - Zhao (1999) (Correct) (11 citations)
In general, a monitor is associated with a specific data item (a condition variable) and functions as a program that may directly or indirectly affect the values computed at some program point of interest, statements in the program that might affect the value of variable Total at line 14. The lines www.fit.ac.jp/~zhao/personal/ps/iwpc99.ps.gz

A Strong Comparison Result For The Bellman Equation Arising In ... - Barles, Rouy (1998) (Correct) (1 citation) Theta A and on @Precise assumptions on the data will be given later on. We refer the reader "Viscosity Solutions and their Applications" the value function of a stochastic exit time control filtration associated to the Brownian motion with values in a compact metric space A. The drift b and the www.ceremade.dauphine.fr/reseaux/TMR-viscosite/preprints/001/DCS.ps.gz

Reliable Solution of Special Event Location Problems for ODEs - Shampine, Gladwell (1987) (Correct) (9 citations)

then before proceeding we must compute the internal **data** (for example, Sturm sequence coefficients) on (x i Abstract Computing the solution of the initial **value** problem in ordinary differential equations (ODEs) to be grafted onto popular codes for the initial **value** problem. Categories and Subject Descriptors: G.4 cygnus.math.smu.edu/pub/gladwell/event.ps.gz

A Mathematical Analysis Of Actor-Critic Architectures For. - Williams (1990) (Correct) (5 citations) general form. We assume given a set S of operators mapping \Pi \Theta V !Pi \Theta V ,and we apply a policies, with V = fv :X !Rg denoting the set of value functions. For any finite set S we denote its with R(x a) Efr(x a)g denoting its expected value. 2.2 Total Expected Discounted Return The www.cs.cmu.edu/afs/cs.cmu.edu/user/leemon/www/papers/yale90/yale90.ps

Absence of mutual unbounded growth for almost all parameter .. - Häggström, Pemantle (1999) (Correct) jzj, using the subexponential growth of W ,and adjusting C fi to account for small values of t finishes mutual unbounded growth for almost all parameter values in the two-type Richardson model Olle Haggstrom probability 0 for all but at most countably many values of the other type's infection rate. 1 conley.math.wisc.edu/~pemantle/olle/Unequal98/version990217.ps

A Loosely Synchronized Execution Model for a.. - Le Guyadec.. (1996) (Correct)

A Loosely Synchronized Execution Model for a Simple Data-Parallel Language (Extended Abstract) Yann Le by applying operators componentwise to parallel values. Each action is associated with the set of array the definition of pure functions in HPF [2]The value of a pure expression at each index u only web.univ-orleans.fr/SCIENCES/LIFO/Membres/melin/PAPERS/PAPERS/europar96.ps.Z

A Generalized Admissions Control Strategy for.. - Chatterjee, Strosnider (1995) (Correct) (3 citations) requirements met? no yes application rejected TPM mapping distributed pipeline scheduling system timing admissions control. First, the GACP must provide a data structure that a client may use to communicate not routing algorithm, the following equations derive values for processing step I/O attributes: www.erg.sri.com/people/saurav/Papers/acm\_mm95.ps

New Approaches to Classification in Remote Sensing Using...- Strahler (1992) (Correct) of desirable attributes for large-scale land cover **mapping**. These attributes include repetitive coverage of types of decision trees across three different **data** sets. The classifiers that are considered include **data** until a leaf node is reached, and the class **value** associated with the leaf is then assigned to the min.ecn.purdue.edu/~brodley/my-papers/igarss-96-final-1-times.ps

Foliations of surfaces and semi-Markovian subsets of subshifts ... - Papadopoulos (1995) (Correct) dynamics, of the action of a pseudo-Anosov mapping class of M in the neighborhood of its attracting f1 ng appears at least once as an index value for an elementary move involved (i.e.as a Hausdorff, is precisely multivalued when it takes values in the set F 0 ae F .2. In a certain sense, the irmasrv1.u-strasbg.fr/irma/publications/1995/95035.ps.gz

Hierarchical-map Building and Self-positioning with MonaLysa - Donnart, Meyer (Correct) (4 citations) with noisy dead-reckoning capacities. MonaLysa's **mapping** and self-positioning capacities are illustrated to monitor the satisfaction of the animat and to **adjust** the strengths of the reactive and planning rules. level is a parameter that will be given various **values** in the experiments described below. Due to this www.inet.gda.pl/ai/www.biologie.ens.fr/fr/animatlab/perso/donnart/Don96c.ps.gz

An Interactive Approach to the Creation of a., - Sutcliffe.. (Correct)

senses in a variety of different languages can be **mappe**d onto a core concept ontology. Two experiments a viable means of producing a multilingual lexical **data**base. 1 INTRODUCTION At the centre of any language hyponyms, holonyms, meronyms, attributes, **values**, co-ordinate terms, entailments and things www.lpl.univ-aix.fr/~veronis/papers/ecai96.ps.gz

Physical Mapping of Chromosomes Using Unique Probes - Alizadeh, Karp, Weisser, Zweig (1994) (Correct) (22 citations)

Physical Mapping of Chromosomes Using Unique Probes (Draft) Farid

the clones overlap to form the DNA molecule, given data about each clone. The present paper focuses on the formulate the problem of finding the most likely values of the underlying data and the ordering of the karush.rutgers.edu/~alizadeh/MYPAPERS/unique.ps.gz

Genetic Programming using Mutation, Reproduction and... Keller, Banzhaf (Correct)

Mutation, Reproduction and Genotype-Phenotype Mapping from linear binary Genomes into linear LALR(1) as next operation on a selected individual. Adjusted fitness is used as fitness measure. The phenotypes and thus with different fitness values over time. This would not allow for a proper lumpi.informatik.uni-dortmund.de/pub/biocomp/papers/lalr\_gp96.ps.gz

Extension of the Integrated Database "HyperGenome" for Genome.. - Susumu Goto (Correct)

2] which integrates data on genome mapping and DNA sequences. The HyperGenome system Extension of the Integrated Database "HyperGenome" for Genome Maps and Sequence www.genome.ad.jp/manuscripts/GIW94/WS/GIW94W05.ps

Final Report of the SPP Project "Hybrid Knowledge Base.. - Reimer, Marti, Norrie... (Correct) (if not impossible) to construct an efficient **mapping** which preserves enough of the semantics to allow ffl FRM was re-implemented on top of an object **data** model (COCOON) in order to provide efficient research.swisslife.ch/Papers/data/hywibas/SPP\_FINAL/final\_report.ps.gz

Fast Curve Estimation Using Pre-Conditioned Generalized Radon.. - Hansen, Toft (1996) (Correct) image. To generate the pre-condition map, a fast mapping procedure named image point mapping is

produce curves. The recording geometry of seismic **data** acquisition results in signals having the same maps image points into the corresponding parameter **values** in the parameter domain, it is possible to eivind.imm.dtu.dk/dist/1996/ptoft\_hansen\_IEEEIP.ps.gz

Literature Review 1 - George Justo (Correct)

the design of the software, hardware, and the **mapping** between the software and hardware. It produces a system (e.g. PVM) and a filter to translate **data** into SDDF format suitable for the performance www.cpc.wmin.ac.uk/~edpepps/reports/edpepps17.ps.gz

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